

INTERNATIONAL SEARCH REPORT

PCT/EP2004/052572

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K38/19 A61P29/00 A61P31/00 A61P37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PAAVOLA CHAD D ET AL: "Monomeric monocyte chemoattractant protein-1 (MCP-1) binds and activates the MCP-1 receptor CCR2B" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 50, 11 December 1998 (1998-12-11), pages 33157-33165, XP002283331 ISSN: 0021-9258 cited in the application the whole document</p>	2,3, 19-22
Y	<p>----- -/--</p>	4,5, 15-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

10/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Bayrak, S

INTERNATIONAL SEARCH REPORT

PCT/EP2004/052572

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HEMMERICH S ET AL: "Identification of residues in the monocyte chemotactic protein-1 that contact the MCP-1 receptor, CCR2." BIOCHEMISTRY. 5 OCT 1999, vol. 38, no. 40, 5 October 1999 (1999-10-05), pages 13013-13025, XP002319264 ISSN: 0006-2960	1,3, 19-22
Y		4,5, 15-17
X	US 5 739 103 A (ZHANG YUJUN ET AL) 14 April 1998 (1998-04-14) column 4, line 43 - line 50 column 6, line 55 - line 59 column 10, line 46 - line 50	19-22
X	WO 03/083059 A (CENTOCOR, INC) 9 October 2003 (2003-10-09) the whole document	19-22
P,X	WO 03/084993 A (KOSCO-VILBOIS MARIE ; PROUDFOOT AMANDA (FR); APPLIED RESEARCH SYSTEMS) 16 October 2003 (2003-10-16) page 5 page 8; examples	19-22
A	KIM KEY-SUN ET AL: "Structural characterization of a monomeric chemokine: Monocyte chemoattractant protein-3" FEBS LETTERS, vol. 395, no. 2-3, 1996, pages 277-282, XP002283332 ISSN: 0014-5793 page 281, column 2, line 9 - line 11	1-23

INTERNATIONAL SEARCH REPORT

PCT/EP2004/052572

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 22,23 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

PCT/EP2004/052572

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5739103	A	14-04-1998	US	5459128 A	17-10-1995
			EP	0828833 A1	18-03-1998
			JP	11506005 T	02-06-1999
			WO	9638559 A1	05-12-1996
			US	5705360 A	06-01-1998
			US	5854412 A	29-12-1998
			AT	204583 T	15-09-2001
			CA	2176217 A1	18-05-1995
			DE	69428049 D1	27-09-2001
			DE	69428049 T2	18-04-2002
			DK	725794 T3	10-12-2001
			EP	0725794 A1	14-08-1996
			ES	2162908 T3	16-01-2002
			JP	9505053 T	20-05-1997
			PT	725794 T	28-02-2002
			WO	9513295 A1	18-05-1995
WO 03083059	A	09-10-2003	AU	2003224761 A1	13-10-2003
			EP	1497423 A2	19-01-2005
			WO	03083059 A2	09-10-2003
WO 03084993	A	16-10-2003	AU	2003240765 A1	20-10-2003
			WO	03084993 A1	16-10-2003
			EP	1495050 A1	12-01-2005